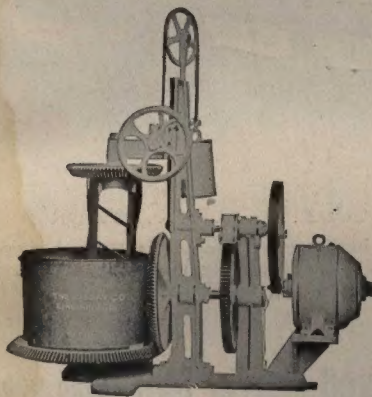


◆ BULLETIN 15 ◆

DAY
HIGH GRADE



PAINT MACHINERY

THE J. H. DAY CO.

CINCINNATI, OHIO

NEW YORK

BOSTON

PHILADELPHIA

CHICAGO

KANSAS CITY

BUFFALO

THE J.

HIO

Improved Harris Mill No. 1

(Water Cooled)



CODE.....PASTOR

Grinders are 12 inches in diameter. Hopper is 8½ inches deep and holds 3 gallons. Capacity 300 to 400 pounds per day. Requires about ½ horse power. Furnished with tight and loose pulleys, 12 x 4, which should make 120 R. P. M.

Weight of Mill, Plain.....185 lbs.

Weight of Mill, Water Cooled.....225 lbs.

Improved Harris Mill (Size "000")



All sizes of our Harris Mills are made on this new design, having a stronger frame, better gearing and better method of adjusting the grinders, making a more convenient mill to handle, and easier to clean.

Grinders are 18 inches in diameter. Hopper is 11 inches deep and holds 10 gallons. Capacity 400 to 600 pounds per day. Requires about 1½ horse power.

The spindle runs on a steel point. It is adjusted by hand wheels and locked with thumb nuts which can not jar loose. Pulleys, 12 x 4, which should make 120 revolutions per minute.

Size "000"
Size "000"

Plain
Water Cooled

Weight, 385 lbs.
Weight, 435 lbs.

Code, Pastime
Code, Password

#22651507B

Td Cat

2

11-8-90

1910

7-6-204

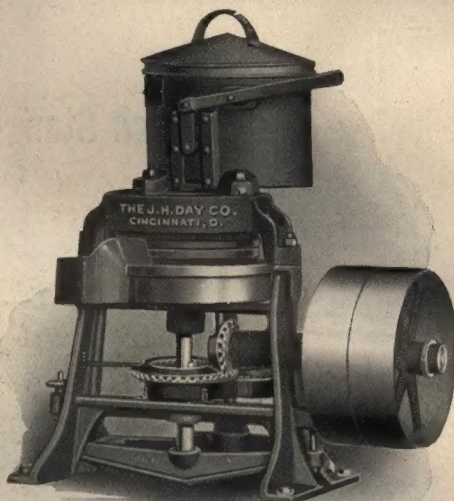
J. H. Day Co.



10-inch Stone Mill

For Ointment, Massage Cream, Tooth Paste, Laboratory Work, Samples, Etc.

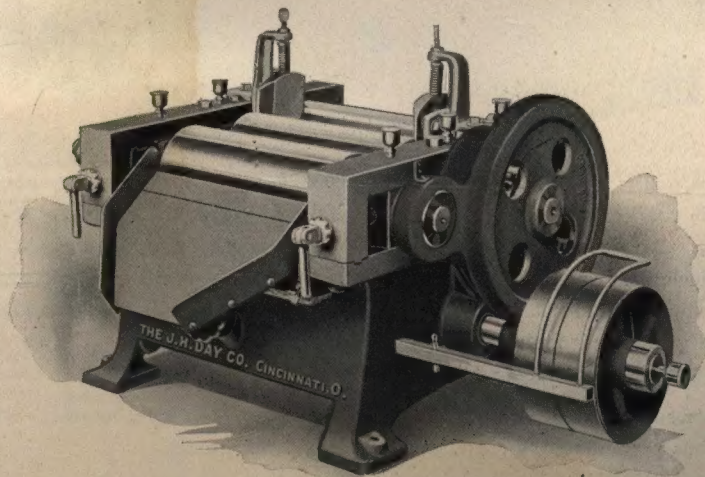
Made without feeder if desired. A complete machine, quickly and easily cleaned. As mill is seldom used for large batches, it is not made water cooled. Pulleys 12 x 3, speed 100 revolutions per minute. Can be made with large fly-wheel for handpower.



Weight with feeder	400 lbs.
Weight without feeder	300 lbs.

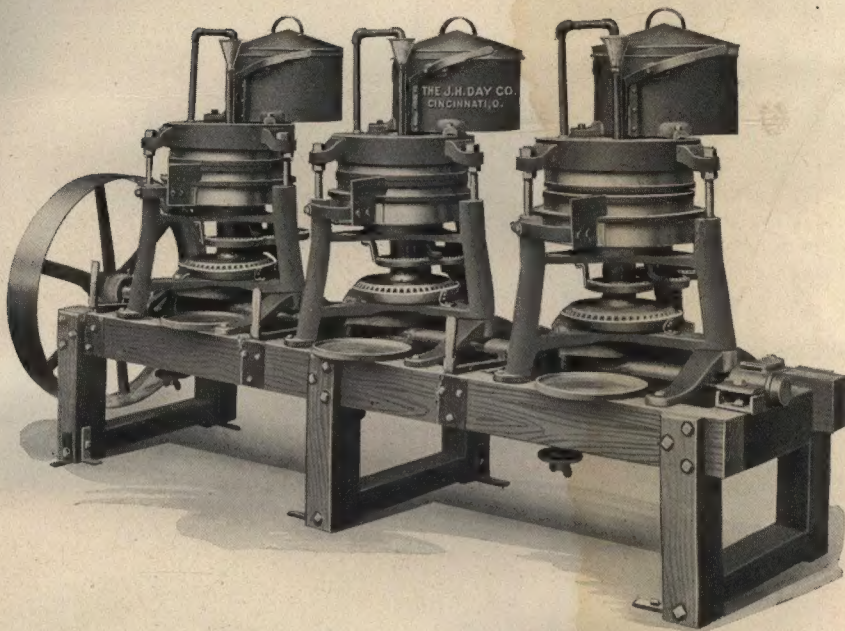
Midget Three-Roll Mill

Valuable in Experimental Work to Demonstrate the Advantages of This Type of Grinder for Many Kinds of Paint.



The chilled rolls are 5 x 12 inches, made water cooled or plain. A good mill for experimental work in laboratory. Can be operated by handpower if desired. Floor space 20 x 36 inches, height to top of roll 14 inches. Pulleys 12" x 3". Speed 245 R.P.M. Weight 600 pounds. Write for price.

15-inch Stone Color Mills



This mill is built in gangs of two to six mills on a bench. Feeders above mills to run in connection with them and each mill is provided with clutch for starting or stopping. We find this the best method of arranging small mills in gangs, as they stand much more rigid than if made on high, cast frame, and gearing is brought nearer to the stones. Made plain or water cooled. We make the only water cooled mills that are guaranteed not to leak. Adjusting wheels on bench mills can be made to come entirely below frame and away from gearing if desired.

Floor space, 9 ft. 6 in. x 2 ft. Bench, 2 ft. high. Pulleys, 24 x 6. Speed, 50 revolutions per minute. Weight, gang of three, 1700 pounds.

This size mill can be furnished singly with tight and loose pulley.



The "Cincinnati" Combined Paint Mill and Mixer



A desirable type of mill for many classes of work, the preparatory mixing and feeding to the stones being done by the mixing tank, which is sufficiently strong for mixing ordinary paint in paste form.

Mill and Mixer can be operated separately or together. Bearings are all heavy and strong, adjusting device easily handled and step for bottom of mill spindle of improved pattern. The frame is strong and compact, taking a minimum amount of floor space.

This mill will mix and grind any paste paint, white lead in oil, or japan colors and is particularly adapted to general work and for large factories, where it can be run constantly on one class of material. Especially adapted to carriage factories, agricultural implement factories and railroad paint shops.

Made plain or water cooled.

DIMENSIONS

Diam. Stones	Size Mixer	Floor Space	Total Height	Pulleys	Speed	Horse Power	Weight
16 in.	20 x 16	20 in. x 4 ft. 4 in.	4 ft.	20 x 4	100	1	1600 lbs.
20 in.	24 x 18	2 ft. x 4 ft. 9 in.	4 ft. 6 in.	20 x 5	100	2	1800 lbs.

Code Word—16-inch, **Paddy**; 20-inch, **Padding**.

Louisville Lead & Color Co. use six of these.

Senour Manufacturing Co., Chicago, use twenty of these.



Iron Frame Lead and Color Mill, with Feeder Attached

Plain or Water Cooled

Thirty-inch size with feeder attached. Adapted to grinding anything from fine coach colors to the heaviest leads in oil. Steel spindle runs in perfect bearings. Water cooled or plain. Its superior construction commends it to any manufacturer who considers durability and good work more than cheapness.

Esopus Stones furnished when Buhr Stones are not specified in ordering. If for grinding very fine coach colors, stones will be dressed for that work. Stones can be removed without raising feeder.

The 36-inch mill is made with four legs, and is a very heavy mill of superior construction.

DIMENSIONS

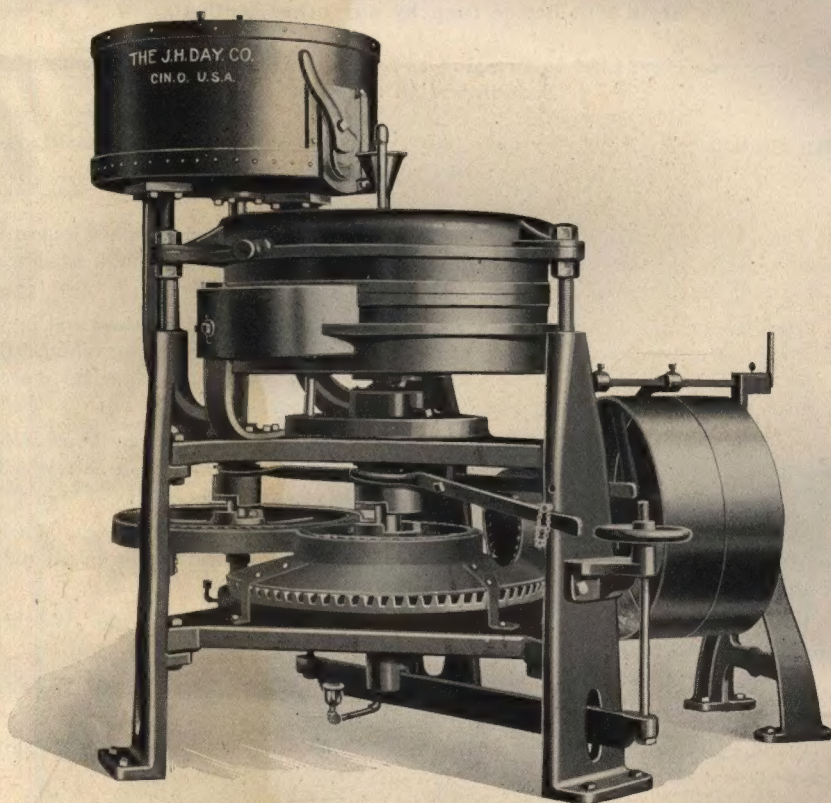
Size	Floor Space	Height to Top of Mixer	Size Mixer	Size Pulley	Speed	Weight	Code
20 in.	3 ft. x 4 ft. 6 in.	5 ft.	20 x 14	20 x 5	90	1500	Pall
24 in.	3 ft. 6 in. x 5 ft.	5 ft.	24 x 14	20 x 5	90	2000	Pallor
26 in.	3 ft. 6 in. x 5 ft.	5 ft.	24 x 14	20 x 5	90	2200	Palling
30 in.	4 ft. 4 in. x 6 ft.	6 ft.	28 x 14	24 x 6	90	3200	Palling
36 in.	5 ft. 8 in. x 5 ft. 8 in.	6 ft.	35 x 10	24 x 8	100	3500	Porter



Day Iron Frame Lead and Color Mill

WITH FEEDER ATTACHED

(Clutch Type)



Plain or Water Cooled.

This mill is built with clutches on the mill spindle and the feeder shaft so that either the mill, or the feeder and mixer, can be run separately or both together. There is also an improved step bearing on this machine, the step box resting on the raising bar, and passing through the sleeve in the bottom tie plate, always being perpendicular to shaft. As good a mill as it is possible to build. Smooth running and easy to clean.

This mill is made in 30-inch size only.

For dimensions see page 6.



Day Three-Roll Printer's Ink or Pigment Mill

Flat Drying Wall Paints, Enamels and Color Varnishes are Ground by this Style Mill Better than by any other Method.

No Expense or Time Lost in Dressing as in Stone Mills. Large Capacity and Economical to Operate.

With Chilled Iron Rolls, for Grinding Printer's Ink, Paints, Pastes, Blacking, Chemical Precipitates, Etc.

The frame is a solid casting, combining both beauty and strength, while its great weight gives it the solidity and stability required in producing the finest qualities of Inks and Pigments, without the possibility of any vibration.

The Bearings for rolls are very heavy; fitted in heavy planed housings and provided with phosphor-bronze bushings of peculiar construction, forming an oil-flooded bearing, thus preventing the journals from heating. All gears are machine cut, have wide face, heavy pitch, and run as nearly noiseless as possible.

To facilitate cleaning, the scraper apron is made adjustable to any angle, follows the roll when moved in or out, and by means of a hand wheel can be released from contact with the roll, drawn back and readily cleaned.

To admit steam or cold water the hollow rolls are fitted with packing boxes. When required for special use we add a feed hopper, which is attached to the initial roll, but this is not provided unless specified on order.

Floor space of 9 in. x 34 in. mill, 4 x 7 feet. Pulleys, 30" x 6". Speed 150. Weight, 6,200. Boxed for export, 6,650, 80 cubic feet.

Floor space, 12 in. x 32 in. mill, 4 x 7 feet. Pulleys, 26" x 6". Speed, 250. Weight, 7,200. Boxed, 8,000.

Floor space, 16 in. x 40 in. mill, 5½ x 8 feet. Pulleys, 26" x 6". Speed, 250. Weight, 11,500.

SOME PAINT MANUFACTURERS USING 3-ROLL MILLS WITH SUCCESS.

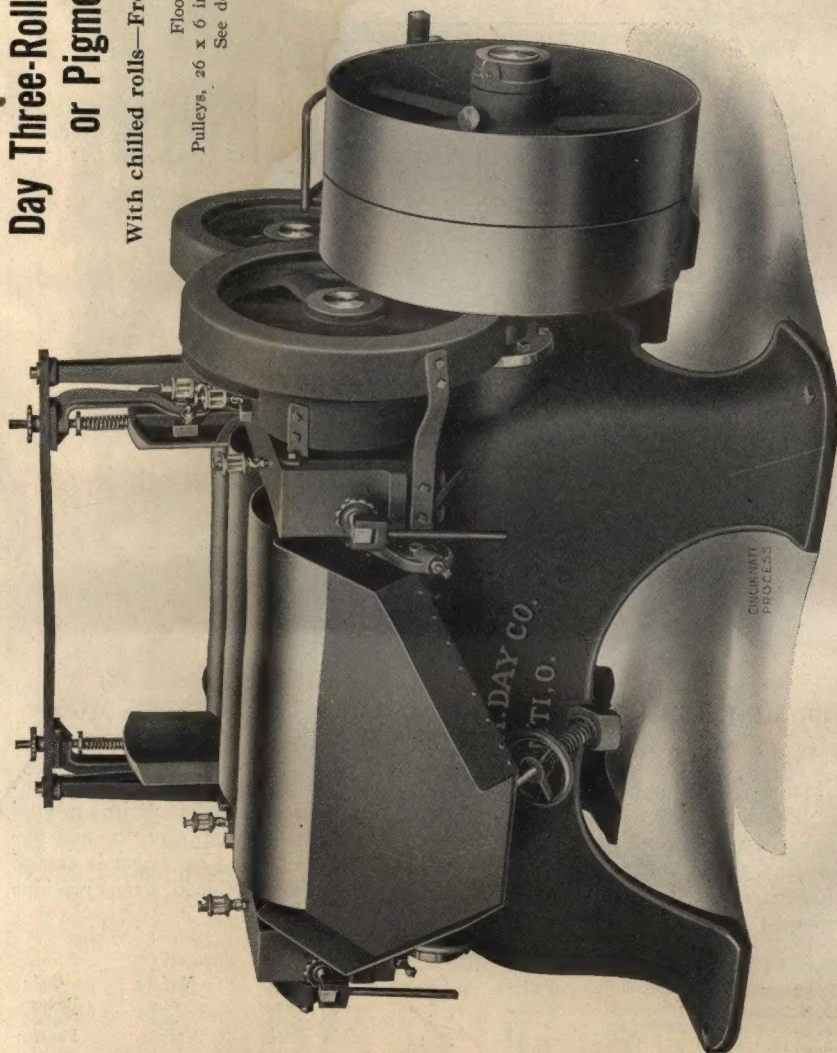
R. F. Johnson Paint Co., Cincinnati, Ohio.
Louisville Lead & Color Co.
O'Brien Varnish Co., South Bend, Ind.
Ault & Wiborg, Cincinnati, Ohio.
Pratt & Lambert, Buffalo, N. Y.
Berry Bros., Detroit, Mich.

Hanna Paint Co., Columbus, Ohio.
Heath & Milligan, Chicago, Ill.
Atlantic Paint Co., Cleveland, Ohio.
W. W. Lawrence Co., Pittsburg, Pa.
Evansville Paint Co., Evansville, Ind.
Arco Co., Cleveland, Ohio.

Day Three-Roll Printer's Ink or Pigment Mill

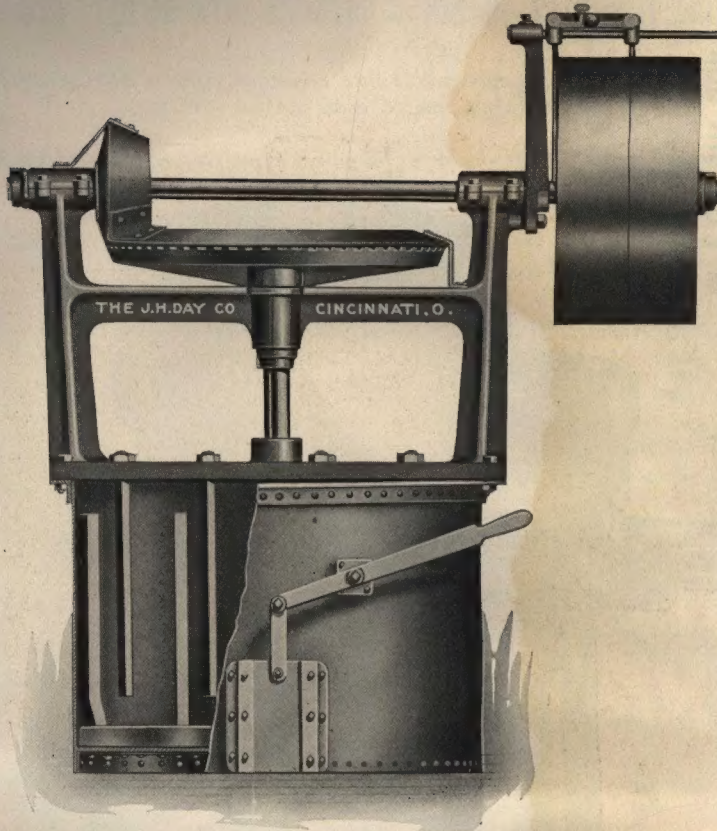
With chilled rolls—Front view 12 x 32 Mill

Floor space 4 x 7 feet.
Pulleys, 26 x 6 inches, Speed 250 per minute.
See description, page 8.





Day Hero Paint and Color Mixer



FOR MIXING WHITE LEAD, PASTE COLORS, IRON FILLERS, WOOD FILLERS, RUBBER CEMENT, ETC.

Made all self-contained as shown, ready to set in position and belt to main shaft. Tank is made of boiler steel or cast iron, as desired, with a heavy angle iron around bottom and also around top of tank. There are two stationary arms on top and two revolving arms in bottom, to which the knives are attached. Lower arm is curved so that the knives do not all pass at once, requiring less power. A good, strong machine for general work.

DIMENSIONS

Diameter	Depth	Pulleys	Speed	Capacity	Weight	Code
No. 2, 24 inches	16 inches	16 x 4	60	30 gallons	600	Pagan
No. 3, 30 inches	18 inches	20 x 5	60	50 gallons	900	Palace
No. 4, 36 inches	20 inches	24 x 6	75	80 gallons	1200	Paging

Day Twin Lead and Paste Paint Mixers

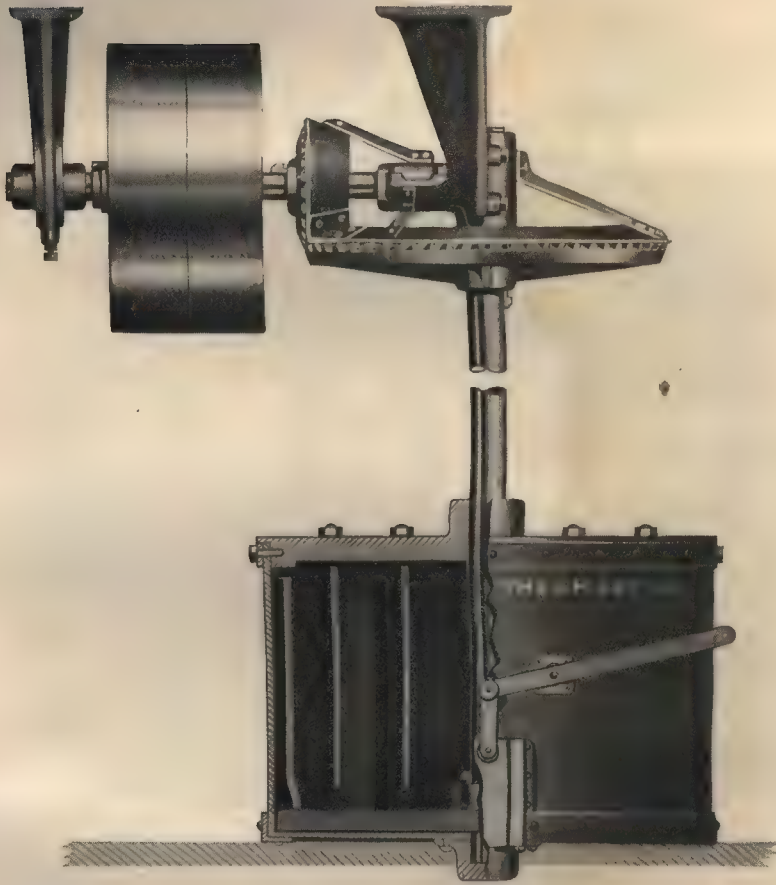
Perfect Mixers for Lead, Heavy Pastes, Fillers and Any Heavy, Stiff Mixes, such as Stove Polish, Rubber Cement, Shoe Blacking, Etc.



Tanks of these mixers made of heavy steel, bound at top and bottom with angle iron and closely riveted. Frame supporting gearing, and the gearing and all working parts sufficiently strong for heavy lead mixing. Each mixer supplied with clutch for starting and stopping independently of the other. Arm in bottom cast iron, heavy wrought iron blades, detachable from arm. Upper blades stationary and also detachable from cross piece. The advantage in using twin mixers is that one can be breaking up a batch while grinding out of the other, thus keeping mill at work constantly.

Diameter	Depth	Capacity	Pulleys	Speed	Weight	Code
24 inches	16 inches	30 gals.	16" x 5"	60	1300	Pretend
30 inches	18 inches	50 gals.	20" x 6"	60	1900	Pretender
36 inches	20 inches	80 gals.	24" x 6"	70	2500	Printer

Giant Lead Mixer



This mixer can be made to set on the floor as shown in cut or to set through floor or mounted on legs, as desired. It is of very strong construction, with steel or cast iron tank and wrought iron mixing blades.

Gearing is strong enough for the heaviest lead mixing. Two or more machines can be operated on one shaft if desired.

DIMENSIONS

Diameter	Depth	Weight	Pulleys	Speed	Code
30 inches	30 inches	1000 lbs.	20 x 5	75	Pender
36 inches	20 inches	1200 lbs.	24 x 6	75	Pendant



Day Portable Chaser

Geared from Below.

THE BEST BUILT AND FINISHED CHASER MADE.



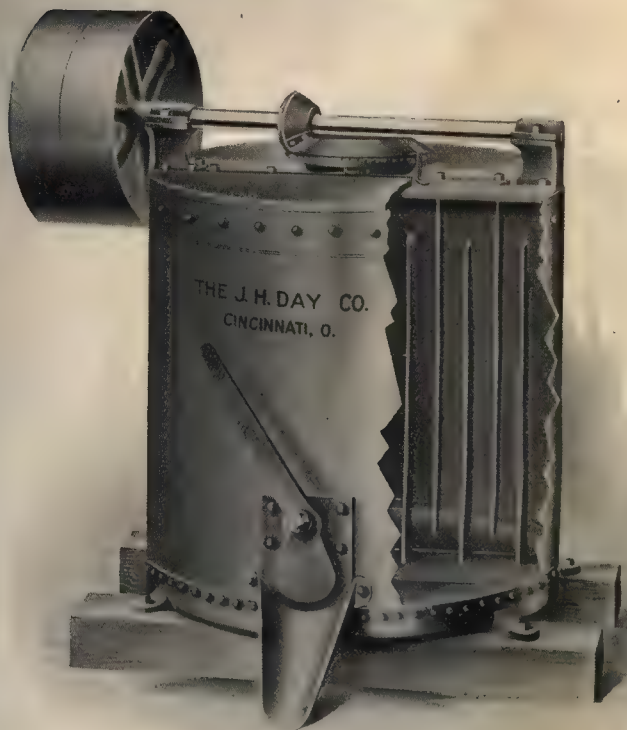
This style of machine is found desirable when it is not possible to arrange for hangers above. It also has the advantage of having no side supports, and is sometimes preferred to our other style of portable Chaser. Pans bored out, smooth inside, and travelers finished all over. Outlet on side instead of bottom if preferred. Everything about the machine of the best quality and workmanship.

DIMENSIONS

Diam. Pan	Pulleys	Speed	Weight	Code	Diam. Pan	Pulleys	Speed	Weight	Code
48 in.	24 x 6	90 R. P. M.	5200	Paper	62 in.	24 x 8	100 R. P. M.	7500	Folly
54 in.	24 x 8	90 R. P. M.	6500	Papish	70 in.	24 x 8	100 R. P. M.	10000	Pattern



Buckeye Paint Mixer



FOR MIXING LIQUID, READY MIXED OR SEMI-PASTE PAINTS.

This machine is designated to meet a demand for a machine for above purposes at a lower price than machines for heavy work. Tank of sheet steel, bound with angle iron and closely riveted. It is made with stationary fingers reaching down from the top, and on the revolving arms in the bottom are fingers extending upward. Bottom and sides are scraped closely. It is furnished with a slide discharge valve, or with a liquid gate in bottom, as shown in illustration:

These mixers can be placed in gangs of two, three or more, and operated by one shaft, each mixer being provided with a clutch so that one mixer can be operated at a time. Fitted with belt shifter for either side of machine.

We change any of our machines to suit customers, at additional expense in proportion to cost.

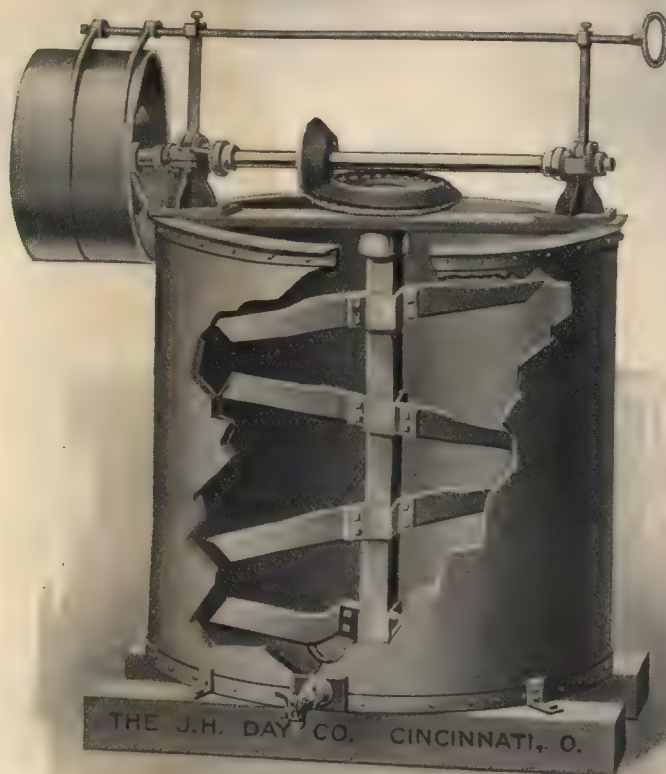
DIMENSIONS

Cap.	Dia.	Depth	Pulleys	Speed	Weight	Code
50	30	20	20 x 4	75	325	Plaudit
100	36	27	20 x 5	75	450	Pleaser
150	42	32	20 x 5	75	600	Pleading
200	48	36	20 x 6	75	800	Film



Paragon Liquid Mixer

A Perfect Machine for Thinning and Tinting.



Particularly adapted to mixing liquid paints, light pastes, polishing materials, liquid fillers and any product requiring rapid agitation. Their peculiar shape enables the blades to pass through material easily and at the same time stir rapidly. Outer ends of blades throw the material upwards, and stationary blades on sides break through the batch and expedite the mixing. Blades can be made with ends to scrape entire inside of tank when required. The upright shaft is wrought iron. Blades cast iron. Tank of boiler steel. Draw-off at bottom or side, to suit materials being mixed. Liquid fillers, furniture polish, etc., can be mixed and run into cans or bottles from this machine and the same amount of sediment insured in each can or bottle filled.

Made in any size from 50 to 500 gallons. Plain or galvanized. Can be built in gang of two or more.

There are more of these mixers in use in the large paint factories of the country than all other makes combined.

DIMENSIONS

Capacity	Diameter	Depth	Height over all	Pulleys	Speed	Weight	Code
50 gallons	24 inches	30 inches	48 inches	16 x 2	120	375	Pay
75 gallons	30 inches	30 inches	48 1/2 inches	16 x 4	120	450	Payer
100 gallons	32 inches	36 inches	58 inches	20 x 4	120	600	Paying
150 gallons	36 inches	42 inches	64 inches	20 x 4	120	800	Pave
200 gallons	40 inches	44 inches	67 inches	20 x 6	120	1000	Paver
250 gallons	44 inches	46 inches	69 inches	28 x 6	120	1200	Paving



Day Pony Mixer

FOR HAND POWER.



A New Machine for Ointments, Tooth Paste, Massage Creams and All Similar Preparations, and Mixing Small Batches of Liquid Paints, Pastes, Printing Inks, Etc.

The great popularity attending the introduction of our Pony Mixer for power has induced us to produce a hand power machine embodying the same mechanical principles, but better adapted to mixing small batches than the power mixer.

It is simple in construction, strong and durable, and requires very little power to operate. The cans are interchangeable and easily and quickly removed for the purpose of emptying and cleaning. The mixing blades may be readily removed from the can by raising the lever on top. If desired, this machine can also be furnished with pulleys for power.

Size	Cap.	Weight	Pulley	Speed	Code
"00"	Gals. 2 1/2	110	8 x 2 in.	30	Pawn
"0"	8	230	12 x 2 in.	60	Paucity

Day Pony Paint Mixer

CANS INTERCHANGEABLE.

For small batches of Ink, Paste Paints, Tooth Paste, Ointment, Massage Cream, and all Paste Preparations, this machine is highly recommended. A special device locks the arm holding the blades when let down into can, giving perfect rigidity, blades and can are revolved in opposite directions, causing a quick and thorough mixture. Cans are interchangeable and made of heavy galvanized sheet iron, with handles.

A device to scrape side of tank will be fitted on machine when desired.

The only compound geared Pony Mixer, therefore the most convenient to belt to at proper speed from any main shaft. Also made with motor directly connected.



Capacity of Tank
No. 1, 15 gallons

Pulleys
16 x 3

Speed
125 per minute

Weight
725 lbs.

Code
Pony



Day Pony Mixer

It combines all the advantages of our well-known Pony Mixer with the further advantage of a two-speed arrangement, which extends its use to a greater variety of work.

Strongly constructed, requires but little power and easy to clean.

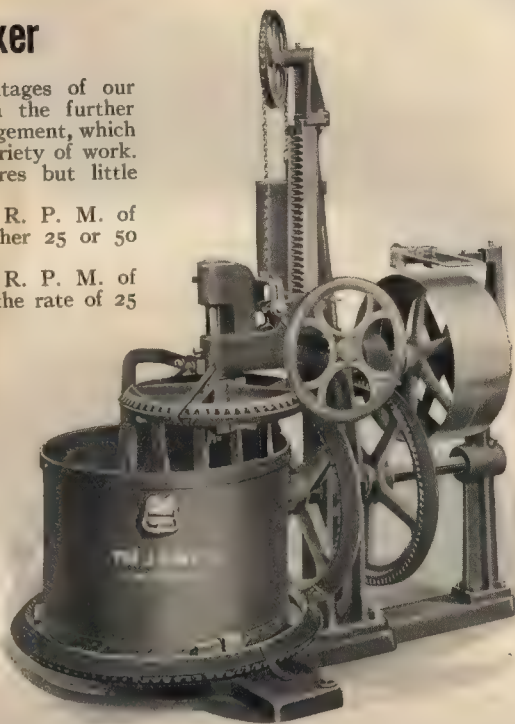
No. 1. At a speed of 125 R. P. M. of pulleys, the can will turn either 25 or 50 revolutions.

No. 2. At a speed of 110 R. P. M. of pulleys, the can will turn at the rate of 25 or 50 revolutions.

DIMENSIONS

Size, No. 2.
H. P., 2.
Capacity, 40 gallons.
Weight, 1450 lbs.
Pulleys, 20 x 4.
Speed, 150.
Floor Space, 30 x 60 in.
Code, Pondered

WRITE FOR RACK
CATALOG.



Power Rotary Force Pump

WITH
TIGHT AND LOOSE PULLEYS.

For Paint Factories, Mines, Oil Refineries, Breweries and Varnish, etc. This pump can be used against a pressure of 50 pounds per square inch, making it particularly useful for tank service or fire pump. It will throw water from 100 to 150 feet horizontally. Proper speed is 50 to 100 revolutions per minute. For pumping acids, and for hot liquids, it should have Metallic Check Valve. Drip-cocks are provided to prevent freezing.

SIZES

No.	Suction Fitted for	Discharge Fitted for	Pulleys Inches	At 100 Revs. per minute Discharges	Iron Code	*Bronze Code
1	1 1/4 in. Pipe	1 in. Pipe	7 x 2 1/2	13 gallons	Gazetter	Genial
2	1 1/4 in. Pipe	1 in. Pipe	7 x 2 1/2	14 gallons	Gelatine	Genitive
3	1 1/4 in. Pipe	1 1/4 in. Pipe	7 x 2 1/2	17 gallons	Gender	Genius
4	1 1/2 in. Pipe	1 1/2 in. Pipe	11 x 3	27 gallons	Generate	Genteel
5	2 in. Pipe	2 in. Pipe	11 x 3	36 gallons	Generous	Gentility
6	3 in. Pipe	2 1/2 in. Pipe	14 1/2 x 4	55 gallons	Genesis	Gentleman

Pumps fitted for Iron Pipe, but will be fitted for Lead Pipe or Hose when ordered.

*All Bronze except Base, Platform, Pulleys, Bearings, etc. A money saver in any factory.



Day "Rapid" Mixer

A new design of mixer with portable cans. The propeller-shaped blades make a rapid, thorough mix. A perfect machine for reducing and tinting and for mixing all kinds of liquid preparations.

Gal.	Weight	Pulleys	Speed
80	1680	16" x 5"	120
100	1700	16" x 5"	120

WRITE FOR PRICES

Code Word.....Penny

Day Handy Liquid Mixer

A CONVENIENT DEVICE TO BOLT TO POST OR WALL FOR MIXING THIN LIQUIDS, PAINTS, FILLERS, LIGHT PASTES, ETC.

By using a mixer of this design, small batches of colors may be quickly mixed, and the tank readily removed and replaced by another.

Tanks can be furnished any size from 15 to 75 gallons, and these can be mounted on casters, as requested. The device can also be used in barrels, tubs, etc., if desired.

Pulleys 9" x 3". Speed 40 R. P. M.
Weight without can 475 lbs.

Code Word.....Penetrate

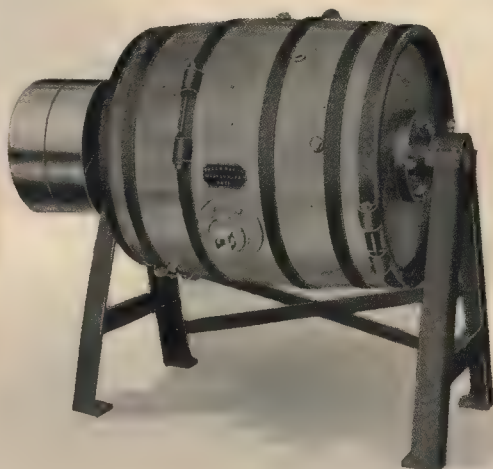
CAN BE OPERATED BY HAND
OR POWER.





Day Revolving Varnish and Shellac Cutter

For Spirit Varnishes,
Cutting of Shellacs,
Dissolving Resin and Other
Gums.



Improved Steam Jacket Kettle

(STEEL)

For Chemists, Soap and
Paper Manufacturers,
Butchers, Curriers, Hotels,
Public Institutions, and
general manufacturing
purposes.

A strong, heavy kettle,
made of double steel plate,
with 2-inch steam space all
around. Has an improved
cock for kettle outlet, safety
valve, inlet and outlet for
steam, and mounted on re-
movable iron legs. Outlet
to suit any material.



Size	Diameter	Depth	Weight	Code
25 gallons	22 inches	18 inches	360 pounds	Foe
50 gallons	28 inches	19 inches	500 pounds	Cackle
75 gallons	28 inches	29 inches	570 pounds	Cadet
100 gallons	34 inches	26 inches	655 pounds	Cajole
150 gallons	38 inches	32 inches	875 pounds	Callow
200 gallons	44 inches	32 inches	1250 pounds	Cameo
250 gallons	44 inches	42 inches	1700 pounds	Friend
300 gallons	48 inches	42 inches	2100 pounds	Front
400 gallons	48 inches	52 inches	2400 pounds	Fruit
500 gallons	54 inches	54 inches	2800 pounds	Frigid

Larger Sizes up to 1000 Gallons Capacity to order.



Hunter's Lightning Sifter and Mixer

SPECIAL SIZES "D 8", "D 10," "E", "F" AND "G."
FOR BLENDING ANY DRY OR POWDERED MATERIAL.



Patented.

This illustration represents our special sizes, "D 8," "D 10," "E," "F" and "G" Sifters and Mixers for mixing flour, dry paints and colors in large quantities, cements, etc., or any kind of dry powdered or granular material. They are made of heavy boiler steel, and Sifter of heavy oak or ash, oil finished, the whole machine being strong and substantial in every respect. They are made to have both Sifter and Mixer used on one floor, or by using heavy Iron Arms, which we furnish, the Sifter can be placed on top of floor and Mixer swung under it, thus occupying less space. Especially adapted for large bakers and flour dealers, and mixing dry paints and colors.

Agitator should be run at a speed of 50 to 60 revolutions per minute.

Size	Capacity	Floor Space	H. P.	Pulley	Speed	Code Plain Steel	Code Galvanized Steel
D8	800 lbs.	7 1/2 ft. x 3 ft. 2 in.	2	24 x 6	60	Shilling	Sheriff
D10	1000 lbs.	8 ft. x 3 ft. 2 in.	3 1/2	24 x 6	60	Shoal	Shriek
E	1200 lbs.	8 ft. 9 in. x 3 ft. 6 in.	4	24 x 6	60	Sibyl	Shrill
F	1600 lbs.	9 ft. 9 in. x 3 ft. 9 in.	5	24 x 6	200	Siege	Sierra
G	2000 lbs.	10 ft. 4 in. x 4 ft.	6	24 x 6	200	Sigh	Siesta

The Dr. Price Baking Powder Company uses one of these large machines.

The Calumet Baking Powder Co., Chicago, uses these machines exclusively.

The Kenton Baking Powder Co., Cincinnati, Ohio, have two 5000 lb. machines.



Hunter's Lightning Sifter

For Druggists, Chemists, Perfumers, Bakers, Millers, Flour Dealers, Hotels, etc. Made heavy and strong, with iron shaft running through sifting cylinders. Cylinder has heavy iron arms and may be removed at any time. Brushes and sieves adjustable and interchangeable. Sifters bound on top with iron. Hand or power.

Special sizes to order. Pulleys, either No. 1, 2 or 3, extra according to size.

Cylinder Dimensions	
No. 1, 14 in. long, 8 in. diam.	
No. 2, 19 in. long, 8 in. diam.	
No. 3, 24 in. long, 8 in. diam.	

Capacity	
1 bbl. in 5 min.	
1 bbl. in 3 min.	
1 bbl. in 2 min.	

Weight	
35 lbs.	
40 lbs.	
47 lbs.	

Code	
Spider	
Spinach	
Spinster	



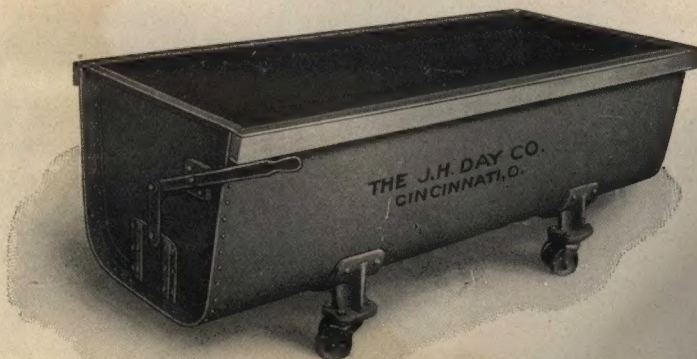
For Millers, Large Bakeries and others requiring large, strong Sifters. Made of heavy ash, oil finished. Bound with heavy strap iron, and every part strong and durable. All parts adjustable. Tight and loose pulleys. We furnish heavy frame and screws to fasten machine to floor. One Sieve, 50 mesh to the inch, or under, with each machine.

No.	Capacity	Weight
No. 4.	Capacity 1 barrel per minute, 2 ft. long	110
No. 5.	Capacity 2 barrel per minute, 3 ft. long	150
No. 6.	Capacity 4 barrel per minute, 4 ft. long	225

Pulleys	Speed
12 x 3	60 R. P. M.
12 x 3	60 R. P. M.
12 x 3	60 R. P. M.

Code
Spleen
Spring
Sprout

Day Steel Paint Truck



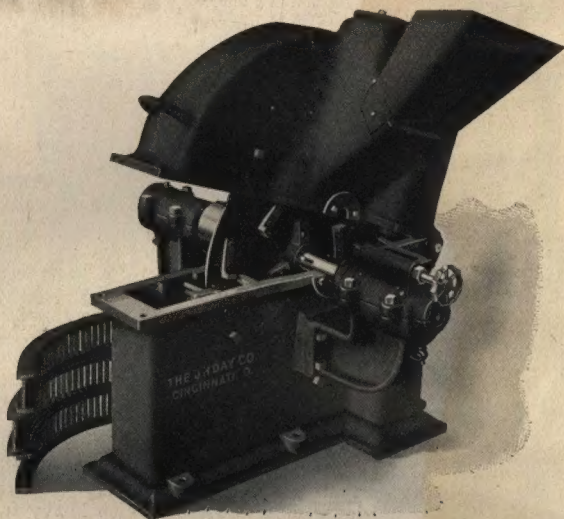
A substantial steel tank mounted on casters and with gate in the end. Capacity 80 gallons of paint. Length 4 feet. Height 26 inches. Weight 250 pounds. Special sizes to order.

Code.....Primrose



Lightning Disintegrator

FOR GRINDING MINERAL PAINTS, CORK, CEMENT, FOUNDRY FACING,
GLUE, FIRE CLAY, BONE ASH, ROSIN, PLASTER PARIS,
DRUGS, ETC.



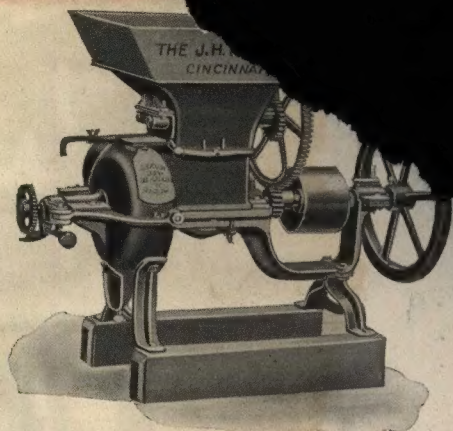
The grinding is done in this machine by hardened steel beaters, riveted securely on a steel disc. These revolve on the face or feeding side of the mill between corrugated rings. The beaters catch the material as it enters the mill, and beat it against the corrugates until it is fine enough to pass between the disc and the face of the ring; when it passes here it is on the discharge side of the mill, and all that is fine enough is immediately driven out by the beaters on the back of the disc. What is not fine enough to discharge, is caught by these back beaters and driven against the screens until fine enough to pass through. The screens are made of square steel, and present a grinding surface to the beaters, and a discharge surface between each bar; they are two inches in width, and go around three-fourths of the diameter of the mill, thus giving a large discharge surface, without diminishing the grinding surface. The material, as it is ground, falls into the box or room below.

This mill is largely used by Drug Mills and Manufacturing Chemists, and we believe will do a greater variety of work and do it better than any other mill.

DIMENSIONS

No.	Diam. of Disc.	Weight	Power Required	Speed	Size of Pulleys	Floor Space in Feet	Code
1	16	475 lbs.	4 to 8 H. P.	3400	3x5	2½x2½	Parrott
2	20	900 lbs.	8 to 12 H. P.	2800	6x6	3 x 3	Parsley
3	24	1400 lbs.	12 to 16 H. P.	2300	8x8	3½x3½	Parson

Beaters.....\$6.00 per dozen.



break
grind
Mill
material
for grind
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	H. P.	Code
L No. 1	8	Word
T No. 1	15	Tack
		Tactics

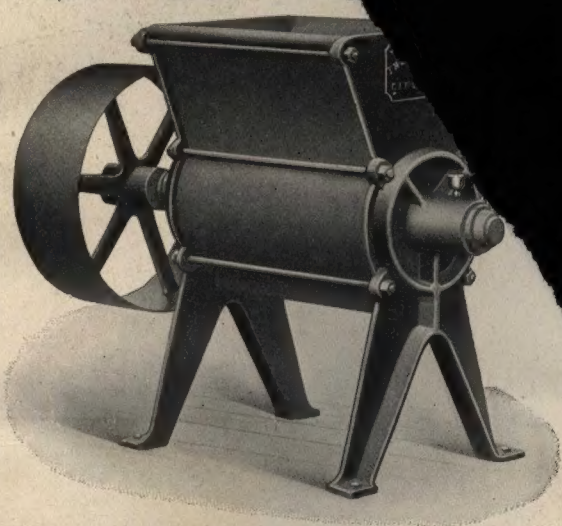
DIMENSIONS

Pulley	Speed
8 x 6	1000 to 1200
14 x 8	800 to 1000

Day Hercules Crusher

For Filter Press Cakes, Clays, Chemicals and all materials requiring crushing before feeding to pulverizing mills. Large capacity. Discharge is full length of bottom. The shaft has heavy breaking lugs or teeth which pass between the lugs on each side of cylinder.

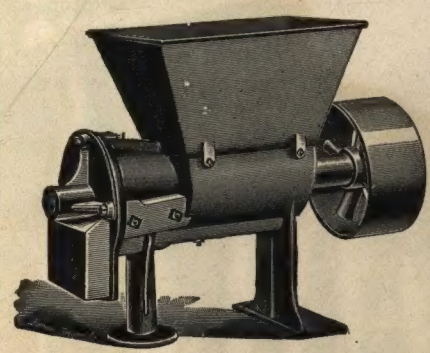
Pulleys.....	20 x 5 inches
Speed.....	300 R.P.M.
Height.....	33 inches
Length.....	42 inches
Weight.....	450 lbs.



Little Giant Crusher

For crushing dry colors and soft paint ores before grinding, cakes from filter press, clays, varnish and gums. Strong, simple in construction and cheap.

We have also an adjustable crusher that will grind 50 per cent finer. Write for particulars.



Floor Space	Pulley	Speed	Weight	Capacity per hour
No. 1—16 x 32	12 x 5	600	275 lbs.	1000 to 3000 lb
No. 2—20 x 42	18 x 6 1/4	600	550 lbs.	2000 to 6000 lb
Code Word, No. 1.....	Pinte	Code Word, No. 2.....	Pinte	

